DLW Term 1226
Microsoft Windows XPe (sp2)

User's Manual

Diskless Workstations.com

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2 DLW Term 1226 Overview

2.1 Microsoft Windows XPe

The DLW Term 1226 is designed to connect to WTS (Windows Terminal Server) servers via RDP (Remote Desktop Protocol), or Windows NT applications server via ICA (Independent Computing Architecture). RDP is the Windows XP-based protocol for connecting to Windows terminal servers. ICA is a distributed presentation services protocol for Windows NT server, allowing an application's user interface to execute on a Windows-based terminal while the application's logic executes on the server. The DLW Term 1226 ships with a 2GB Compact Flash Card, providing available disk space for installation of custom applications, plug-ins, etc …

Thin Client Specifications

CPU	VIA Eden V4 1GHz
RAM	DDR2 200 pins support DDR2 533/667 Up to 1GB
Flash Memory	256MB CF card / DOM standard, expandable to 8GB Flash upgrade utility via Ethernet
Resolution	Resolution up to 1600x1200 / 60 Hz
Video Memory	Graphics utilizes system RAM
Audio Support	Full 16 bit stereo FM synthesis, 8 bit mini Microphone in
Networking Protocols	10/100 Base T Fast Ethernet, Twisted Pair (RJ45) TCP/IP with DNS, DHCP and PPP Load balancing supported by Citrix ICA Remote modem dial up with Citrix ICA
Communications Protocols	rdesktop / Citrix ICA
One Parallel Port	Bi-directional centronics compatible, DB-25
One Serial Port	DB-9 pin male connector with RS-232C, up to 115.2K bps
One Display Port	Analog VGA type video output (DB-15)
USB Port	Four USB ports
Audio Port	Line out, Microphone In
KB & Mouse Interface	Enhanced PS/2 keyboard and mouse interface
Operation System	Linux Kernel 2.6
Set-up & Configuration	Local power-on boot, simple start-up wizard for set-up Configurable automatic login, Multi-language KB support, Multiple auto-startup support
Server Operating System Support	**RDP：** Microsoft Windows NT4.0 + TSE. Microsoft Windows 2000 Server Family. Microsoft Windows 2003 Server Family. Microsoft Windows XP with RDP protocol **ICA：** Citrix Winframe Microsoft Windows NT4.0 + TSE+ Citrix Metaframe Microsoft Windows 2000 + Citrix Metaframe. Microsoft Windows 2000/ Windows 2003 + Citrix MetaframeXP.
Terminal Emulations Support	Console ANSI, VT 420/320/220/100/52, Wyse 120/60/50+/325 TVI 925, TVI 910+, ADDS A2, IBM3270, IBM5250.

2.2 Thin Client Features

Physical Characteristics	
Height	190 mm (7.48 in)
Width	40 mm (1.57 in)
Depth	140 mm (5.51 in)
Net Weight	700 g (1.08 lbs)
Power Cord	6 ft (1.83m)
Environmental	
Operating Temperature	5 to 40℃ (41 to 104℉)
Non-operating Temperature	-40to 60℃ (-40 to 150℉)
Operating Humidity	10% to 90%, non-condensing
Operating Altitude	0 to 10,000 ft ASL
Nonoperating Altitude	0 to 40,000 ft ASL
Regulatory	
EMC Terminal/Power Brick	FCC B, CE, CB, TUV, CUL, C-TICK, BSMI,VCCI
Safety Power Brick	UL1950, CB IEC60950.

Installation

2.3 Thin Client Overview

2.3.1 Connecting the Thin Client

Follow these instructions to connect the terminal to its peripheral devices:

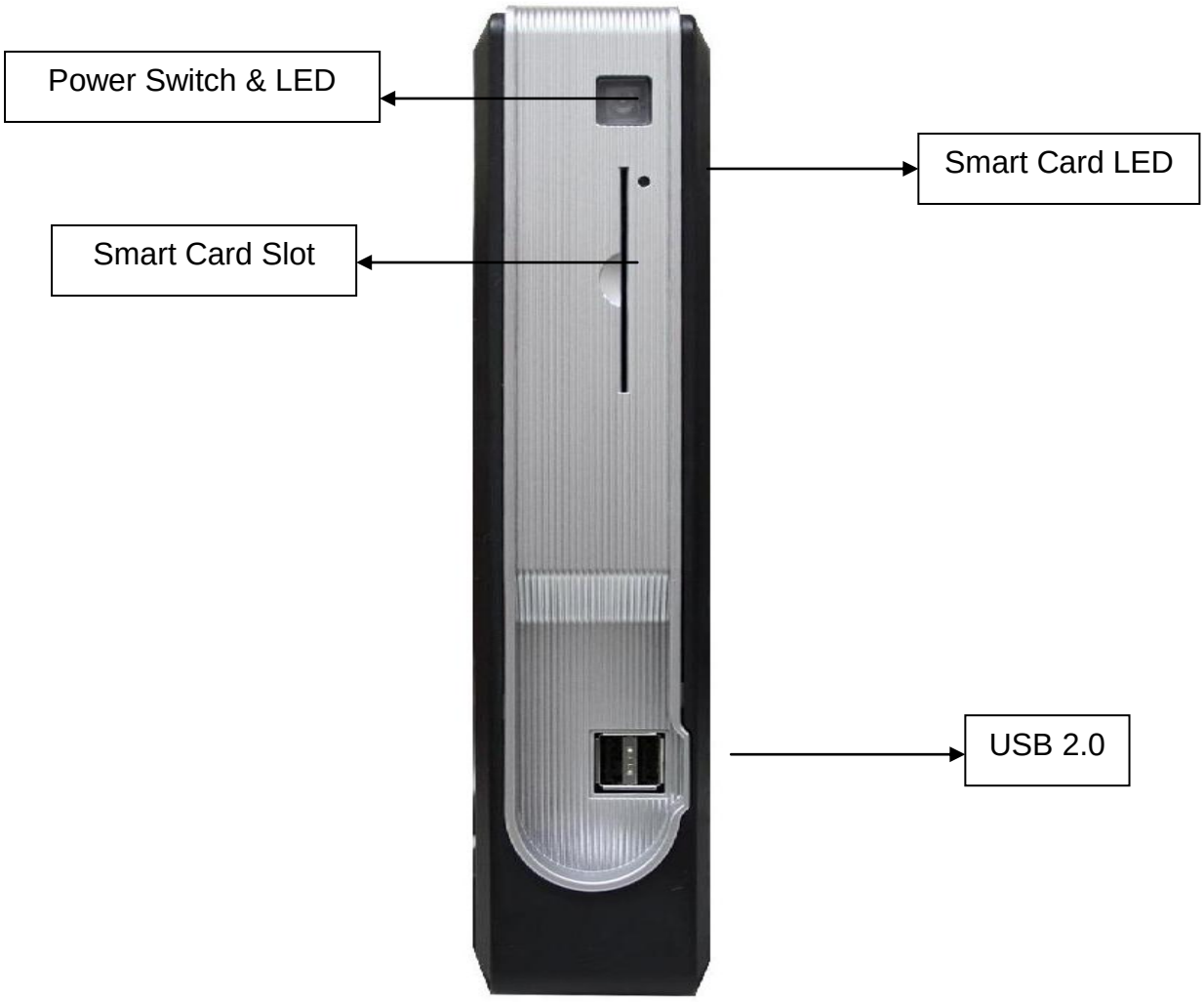
A. Connect the keyboard to the keyboard connector.

B. Connect the mouse to the mouse connector.

C. Connect the 10/100/1000-T network cable to the RJ-45 network connector.

D. Connect the power cord and the adapter to the power connector with DC Adapter.

E. Connect the power cord to the power connector with DC Adapter.

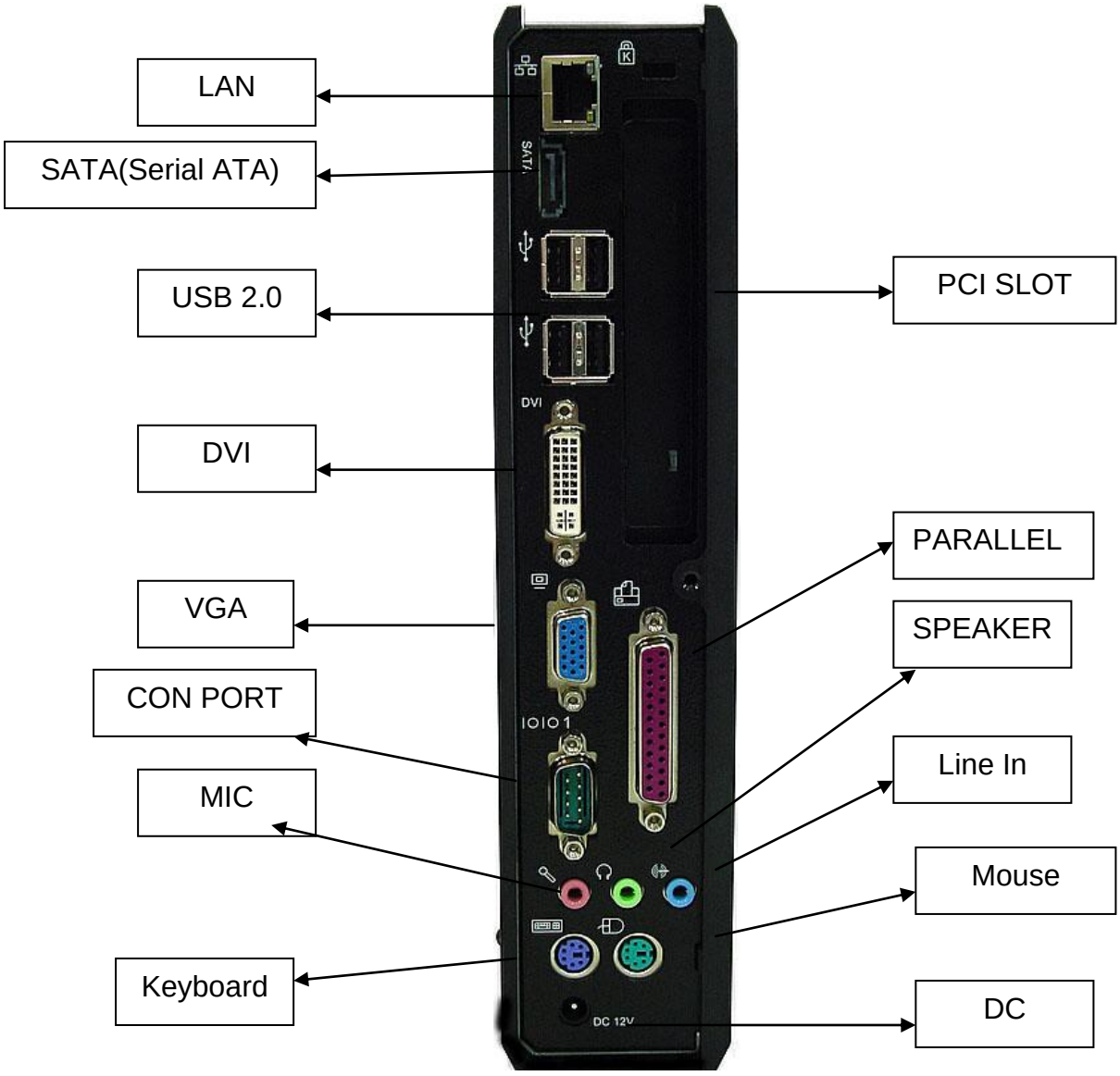


2.3.2 Connector Descriptions

Power Switch
The Power Switch key to turn ON/OFF the WBT.

Smart Card Slot
This slot is an optional slot only for Smart Card-related applications.

USB Port
These connectors can be used for the USB devices.



RJ-45 Network Connector
This connector can be used to connect the built-in 32-bit 10/10/1000-T Ethernet network LAN Controller to a host or Hub.

SATA Port
These connectors can be used for Serial ATA device.

DVI Connector
This connector can be used for DVI Monitor

VGA Connector
This connector is for displaying on a standard VGA compatible device.

Serial Port Connectors
These connectors can be used for the serial device such as a modem device.

PCI Slot
Expandable PCI slot for wireless card, video card, or other PCI card.

Parallel Port Connector
This connector can be used for a printer connection.

Audio Connector
This connector is used to connect speakers.
Micro phone input connector.
This Line In jack connector for other audio sources.

PS/2 Keyboard Connector
This connector is for a standard keyboard using a PS/2 plug (mini DIN).

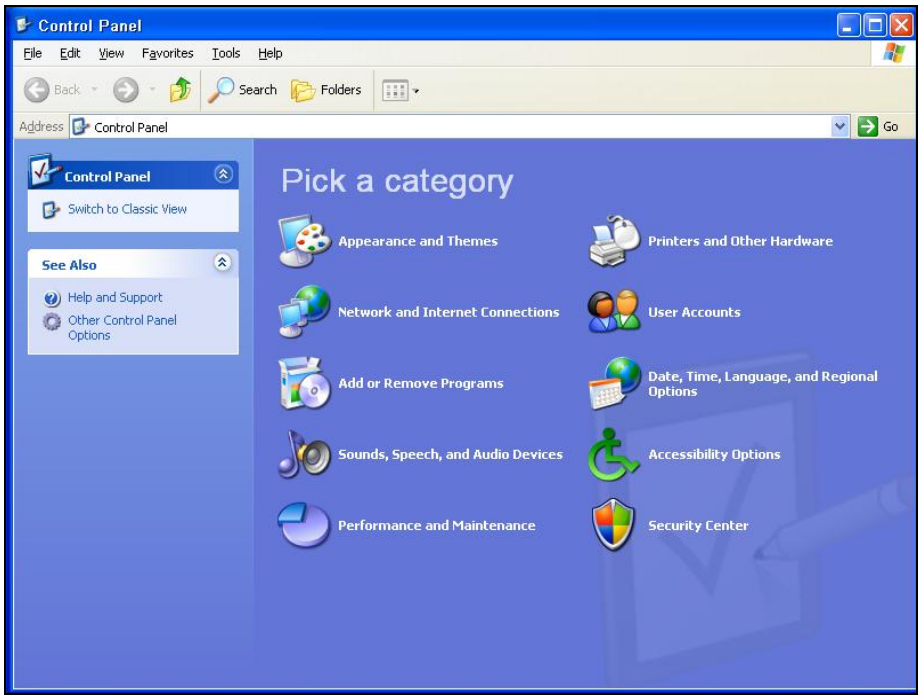
PS/2 Mouse Connector
This connector is for a mouse using a PS/2 plug (mini DIN).

Power Connector

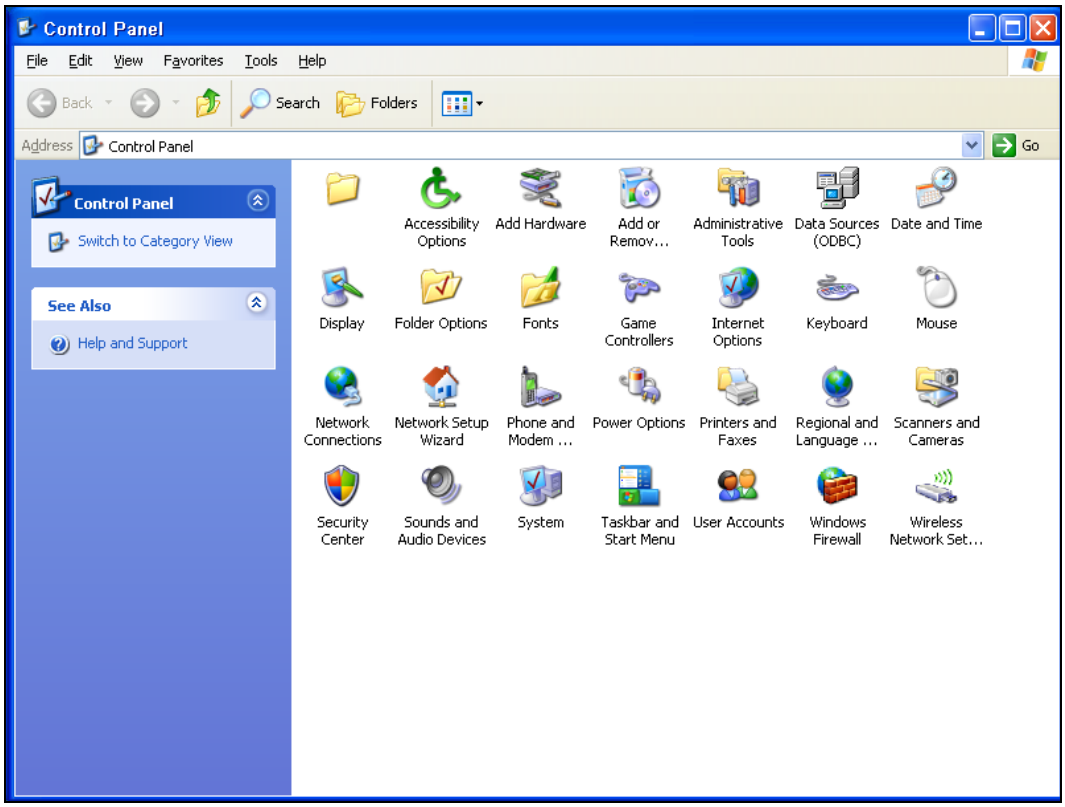
This connector is for connecting the power cord with the terminal and the DC Adapter.

3. Control Panel

The **Control Panel** provides options for you to customize the appearance and functionality of your thin client, add or remove programs, set up network connections, user accounts and other features.

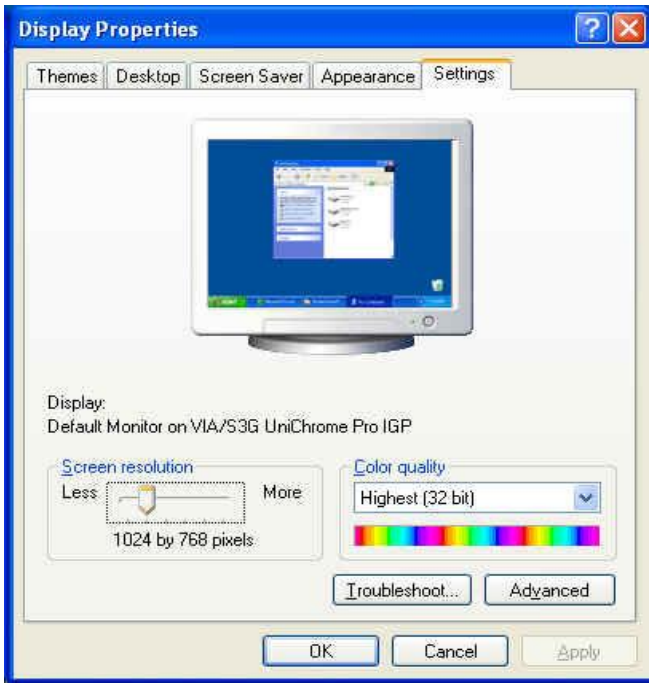


You can also click **Switch to Classic View** to see another display mode.



3.1 Display Configuration

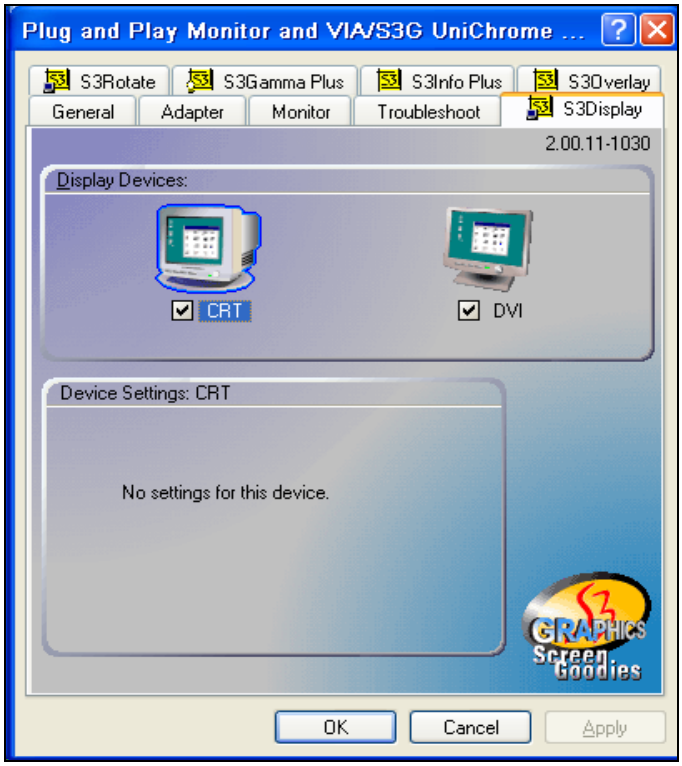
The **Settings** properties let you configure the thin client's display screen. Invoke this properties sheet by clicking on the **Settings** tab in the **Display Properties** dialog box. The following figure shows the properties sheet. You can also **Apply** your display after selecting screen resolution and color quality, the new testing mode will appear. The graphics adapter will be set to the new mode temporarily (5 seconds) so you can determine whether your display works properly.



3.1.1 DVI function

Click "**Advanced**" and you will see the figure as below by clicking "**S3Display**" tab.
And you will find the two display devices "CRT" and "DVI". If you don't connect to a LCD panel with DVI cable, the check box with DVI is grayed.

If you have connected to LCD panel with DVI cable, the check box with DVI will be available. As shown below, you can enable or disable DVI function by clicking the check box.



3.2 Keyboard Properties

The **Keyboard** properties sheet lets you configure your terminal's keyboard. The following figure shows the properties dialog box.

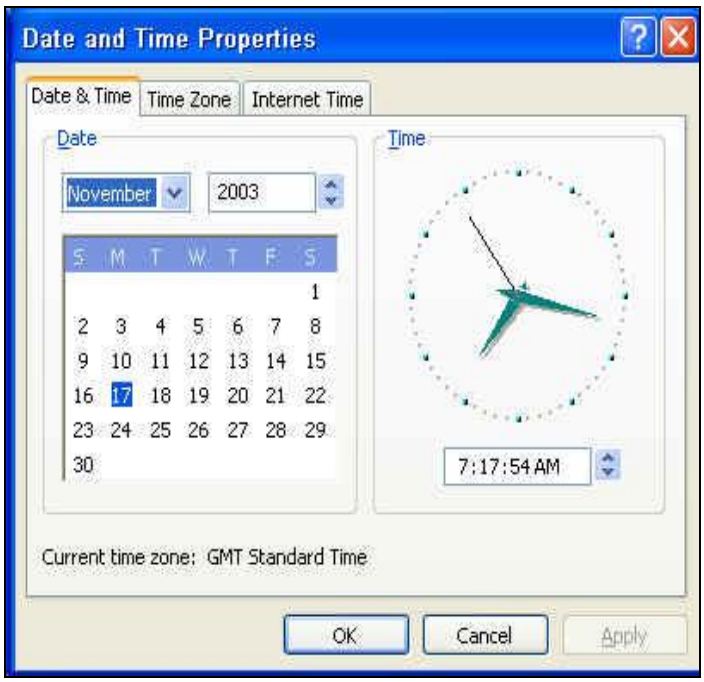
3.3 Mouse Properties

Click **Mouse Properties** if you want to configure your mouse setting to Right-Handed or Left-Handed, or the Pointer Speed.

Mouse Properties
Buttons
Pointers
Pointer Options
Wheel
Hardware
Button configuration
Switch primary and secondary buttons
Select this check box to make the button on the right the one you use for primary functions such as selecting and dragging.
Double-click speed
Double-click the folder to test your setting. If the folder does not open or close, try using a slower setting.
Speed: Slow Fast
ClickLock
Turn on ClickLock
Settings...
Enables you to highlight or drag without holding down the mouse button. To set, briefly press the mouse button. To release, click the mouse button again.
OK
Cancel
Apply

3.4 Date and Time Properties

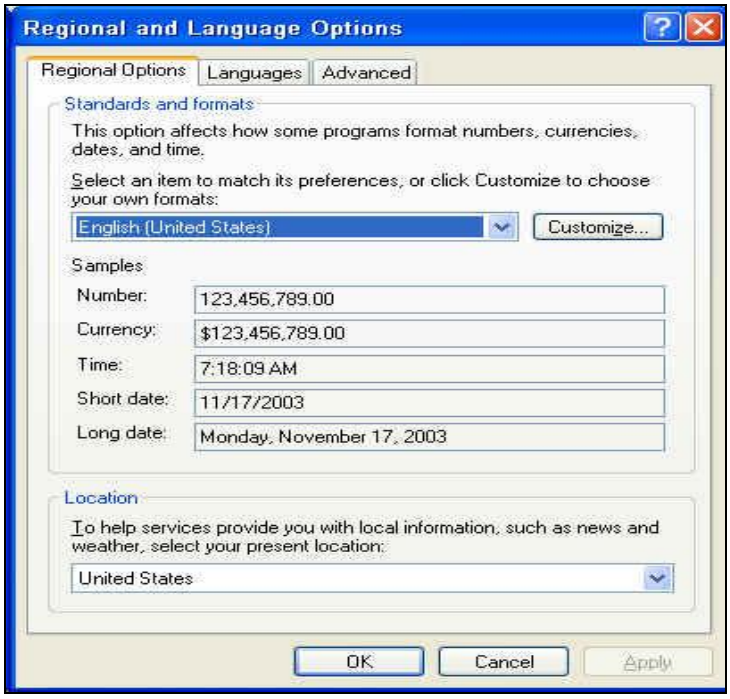
User can configure local time for this device.



3.5 Regional and Language Options

3.5.1 Regional Options

This option affects how some programs format number, currencies, dates, and time.
You can select an item to match its preferences, or click **Customize** to choose your own formats.



3.5.2 Languages Setting

Set up the keyboard locale for the local device.
If you want to view or change the languages, click **Details.**

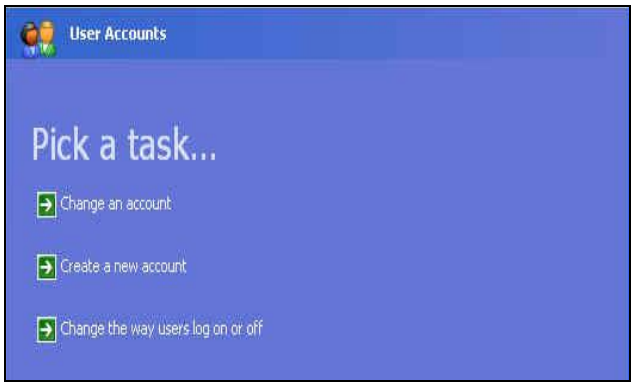
Regional and Language Options
Regional Options
Languages
Advanced
Text services and input languages
To view or change the languages and methods you can use to enter text, click Details.
Details...
Supplemental language support
Most languages are installed by default. To install additional languages, select the appropriate check box below.
Install files for complex script and right-to-left languages (including Thai)
Install files for East Asian languages
Language used in menus and dialogs
English
OK
Cancel
Apply

3.6 User Accounts

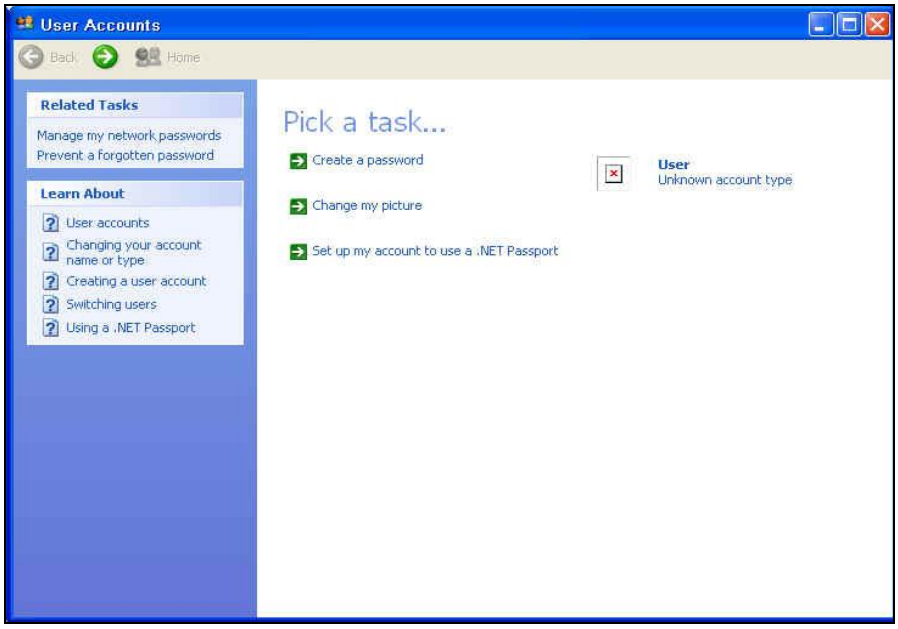
User Accounts is the mechanism used to give people access to resources on the computer or network. These resources can include things such as files and folders, printers, applications, and so on. When logging on, a user is authenticated (proves their identity) to the computer or network, by providing the correct combination of User Account Name and a Password.

- Click Start
- Click Control Panel
- Click User Accounts

You should see this screen below



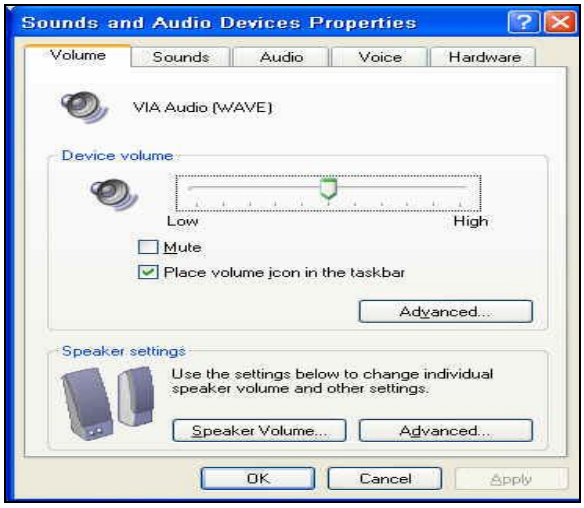
Note : When logging on use the “Administrator account” (password: 9999), you will see the screen above. When logged in as a user (not Administrator) the user can only change his/her password, not any passwords for other accounts.



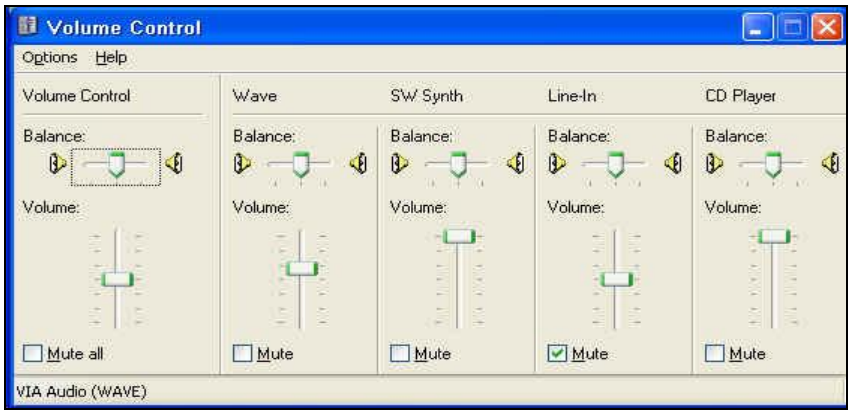
3.7 Sounds, Speech, and Audio Devices

3.7.1 Volume

You can use these settings to adjust the Volume.

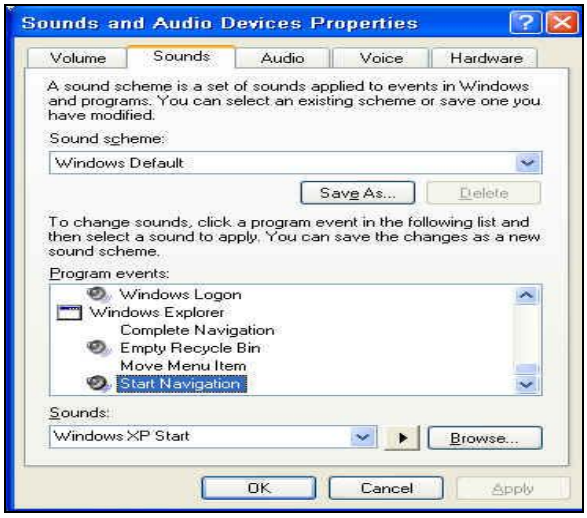


You can also click the icon that likes speaker on the desktop to adjust the volume.



3.7.2 Sounds

A sound scheme is a set of sounds applied to events in Windows and programs. You can select an existing scheme or save one you have modified. Test it before you save the settings.



3.8 Network and Internet Connections

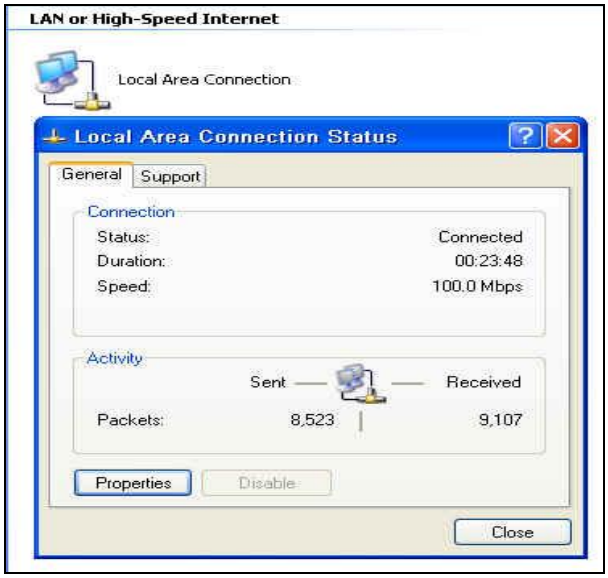
Network attached device must contain a unique network identifier. If the network is using TCP/IP as a communication protocol, these identifiers are called IP addresses. The following series of screens will allow you to choose from two different methods of assigning the IP addresses.

3.8.1 Use the IP information supplied by DHCP

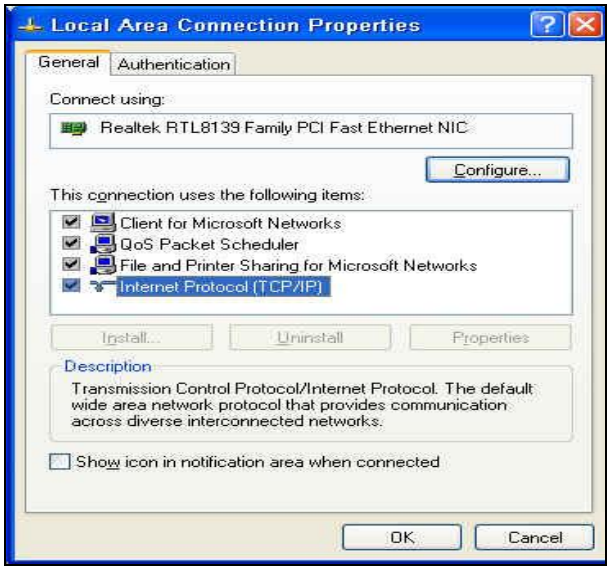
If your network provides DHCP (Dynamic Host Configuration Protocol) service and you want it to provide the thin client's IP information, leave the first option selected.

The thin client can get its IP address through a DHCP service by default. The DHCP will automatically assign an IP address that is drawn from a pool of available IP addresses, when a thin client unit is powered on and a request is broadcast over the network.

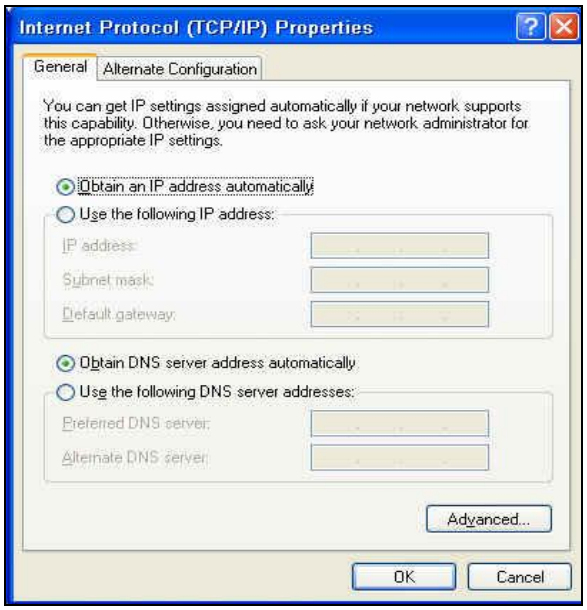
Use the IP information supplied by DHCP. You can click Start→Control Panel→Network and Internet Connection→Network Connection and select the picture that called "Local Area Connection". You will see the figure as follow.



Select the **Properties** then you will see the "Internet Protocol (TCP/IP)" option. As follows:



Click the “Internet Protocol (TCP/IP)” you will see the option that called:
“Obtain an IP address automatically “.


Internet Protocol (TCP/IP) Properties
General
Alternate Configuration
You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.
Obtain an IP address automatically
Use the following IP address:
IP address:
Subnet mask:
Default gateway:
Obtain DNS server address automatically
Use the following DNS server addresses:
Preferred DNS server:
Alternate DNS server:
Advanced...
OK
Cancel

3.8.2 Specify a static IP address

If your network does not provide a DHCP service, or if the unit is not properly connected to the network. In these cases, leave the second option selected.

IP address

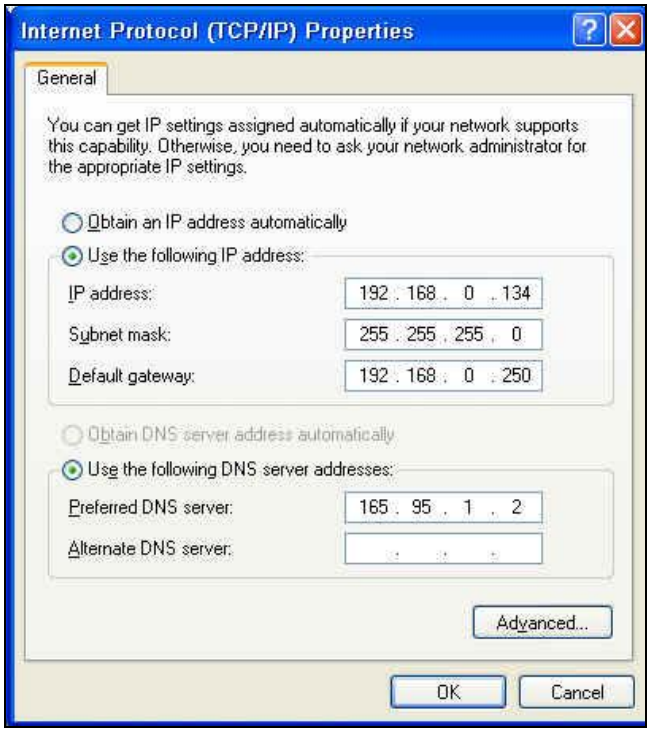
Required for identifying this thin client to the network.
The format will follow the standard addressing format.

Subnet Mask

Required for designating which network the IP address is a part of.

Gateway

Optional address which identifies the machine through which a subnet communicates with another network.


Internet Protocol (TCP/IP) Properties
General
You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.
Obtain an IP address automatically
Use the following IP address:
IP address: 192 . 168 . 0 . 134
Subnet mask: 255 . 255 . 255 . 0
Default gateway: 192 . 168 . 0 . 250
Obtain DNS server address automatically
Use the following DNS server addresses:
Preferred DNS server: 165 . 95 . 1 . 2
Alternate DNS server:
Advanced...
OK
Cancel

3.9 Local Printer Setup

3.9.1 Add Printer

- Click Start
- Click Control Panel
- Click Printers and Other Hardware
- Click Printers and Faxes
- Click Add Printer

You will see the screen below.

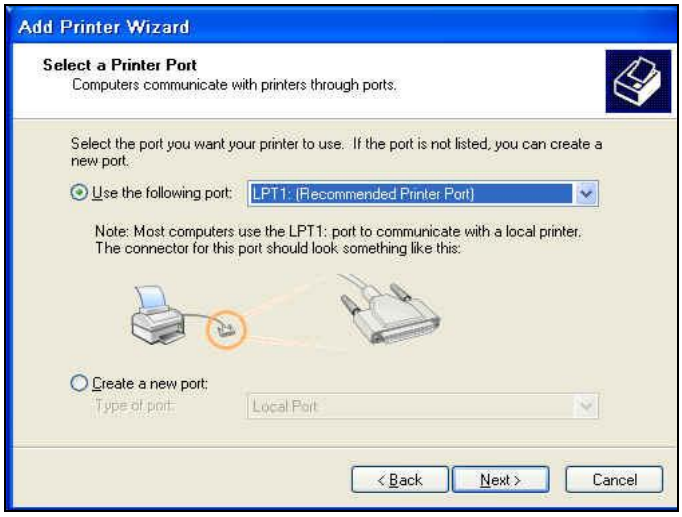
Add Printer Wizard
Welcome to the Add Printer Wizard
This wizard helps you install a printer or make printer connections.
If you have a Plug and Play printer that connects through a USB port (or any other hot pluggable port, such as IEEE 1394, infrared, and so on), you do not need to use this wizard. Click Cancel to close the wizard, and then plug the printer's cable into your computer or point the printer toward your computer's infrared port, and turn the printer on. Windows will automatically install the printer for you.
To continue, click Next.
< Back
Next >
Cancel

3.9.2 Select the Printer Port

Select the option that describes the printer you want to use.
Or you can select Network to set a network printer.

Add Printer Wizard
Local or Network Printer
The wizard needs to know which type of printer to set up.
Select the option that describes the printer you want to use:
Local printer attached to this computer
Automatically detect and install my Plug and Play printer
A network printer, or a printer attached to another computer
To set up a network printer that is not attached to a print server, use the "Local printer" option.
< Back
Next >
Cancel

Select the port you want your printer to use. If the port is not listed, you can create a new port. Most computers use the LPT1 port. Click **Next** and install your printer driver.


Add Printer Wizard
Select a Printer Port
Computers communicate with printers through ports.
Select the port you want your printer to use. If the port is not listed, you can create a new port.
Use the following port:
LPT1: (Recommended Printer Port)
Note: Most computers use the LPT1: port to communicate with a local printer. The connector for this port should look something like this:
Create a new port:
Type of port:
Local Port
< Back
Next >
Cancel

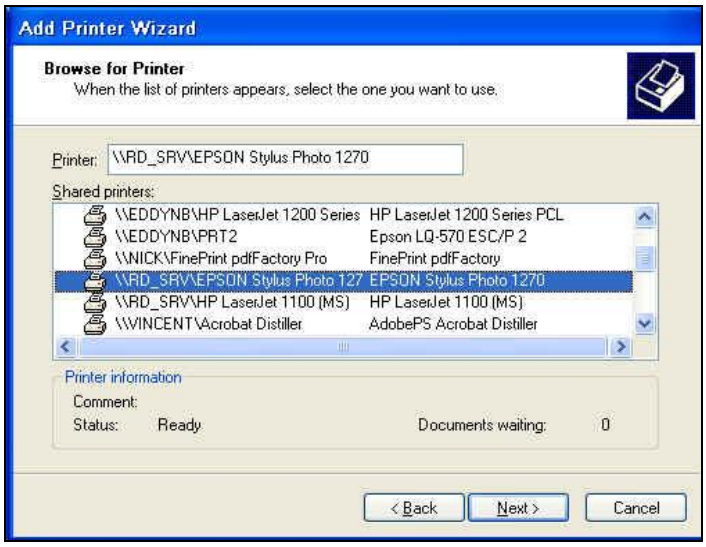
Note : The function of Add Local printer is just for the “Administrator account” (password: 9999). General user can only select network printer.

Select a network printer

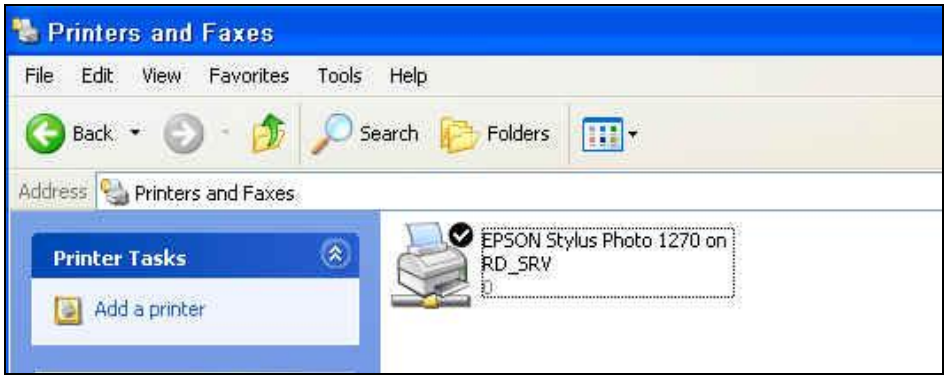
If you don’t know the name or address of the printer, you can search for a printer that meets your needs.

Add Printer Wizard
Specify a Printer
If you don't know the name or address of the printer, you can search for a printer that meets your needs.
What printer do you want to connect to?
Browse for a printer
Connect to this printer (or to browse for a printer, select this option and click Next):
Name:
Example: \\server\printer
Connect to a printer on the Internet or on a home or office network:
URL:
Example: http://server/printers/myprinter/.printer
< Back
Next >
Cancel

Browse for a printer


Add Printer Wizard
Browse for Printer
When the list of printers appears, select the one you want to use.
Printer: \\RD_SRV\EPSON Stylus Photo 1270
Shared printers:
\\EDDYNB\HP LaserJet 1200 Series HP LaserJet 1200 Series PCL
\\EDDYNB\PRT2 Epson LQ-570 ESC/P 2
\\NICK\FinePrint pdfFactory Pro FinePrint pdfFactory
\\RD_SRV\EPSON Stylus Photo 127 EPSON Stylus Photo 1270
\\RD_SRV\HP LaserJet 1100 (MS) HP LaserJet 1100 (MS)
\\VINCENT\Acrobat Distiller AdobePS Acrobat Distiller
Printer information
Comment:
Status: Ready
Documents waiting: 0
< Back
Next >
Cancel

After the printer setup OK then the added printer model will be shown.



3.10 Security Center

Microsoft Windows XP Service Pack 2 provides Windows Security Center, to help you protect your thin client.

Windows Security Center
Security Center
Help protect your PC
Resources
Get the latest security and virus information from Microsoft
Check for the latest updates from Windows Update
Get support for security-related issues
Get help about Security Center
Change the way Security Center alerts me
Security essentials
Security Center helps you manage your Windows security settings. To help protect your computer, make sure the three security essentials are marked ON. If the settings are not ON, follow the recommendations. To return to the Security Center later, open Control Panel.
What's new in Windows to help protect my computer?
Firewall OFF
Windows detects that your computer is not currently protected by a firewall. Click Recommendations to learn how to fix this problem. How does a firewall help protect my computer?
Note: Windows does not detect all firewalls.
Recommendations...
Automatic Updates CHECK SETTINGS
Automatic Updates is not yet configured for this computer. Click Turn on Automatic Updates to have Windows automatically keep your computer current with important updates (recommended). How does Automatic Updates help protect my computer?
Turn on Automatic Updates
Virus Protection NOT FOUND
Windows did not find antivirus software on this computer. Antivirus software helps protect your computer against viruses and other security threats. Click Recommendations for suggested actions you can take. How does antivirus software help protect my computer?
Note: Windows does not detect all antivirus programs.
Recommendations...
Manage security settings for:
Internet Options
Windows Firewall
At Microsoft, we care about your privacy. Please read our privacy statement.

Windows Security Center lets you automatically verify the status of the major security functions: Firewall, Automatic Updates, and Virus Protection. A Windows Security Center feature in Control Panel tells you whether these key security capabilities are turned on and up-to-date. When a problem is detected, you receive notification and recommended steps that may help secure your computer.

3.11 Windows Firewall

Windows XP Professional SP2 includes new security technologies that affect network protection, memory protection, web browsing, and e-mail handling. Windows XP Embedded with SP2 includes these important security changes.

Windows Firewall, previously known as Internet Connection Firewall or ICF, is a protective boundary that monitors and restricts information that travels between your computer and a network or the Internet. This provides a line of defense against someone who might try to access your computer from outside the Windows Firewall without your permission.

In Windows XP Embedded Service Pack 2 (SP2), Windows Firewall is **turned off** by default.

- **Adjust Your Firewall Settings**

Because a firewall restricts communication between your computer and the Internet, you might need to adjust settings for some programs that prefer an open connection. These adjustments are called "exceptions."

Windows Firewall now has three settings: **On**, **On with no exceptions**, and **Off**.

On
Windows Firewall is turned on by default, and normally you should leave it that way. When you choose this setting, Windows Firewall blocks all unsolicited requests to connect to your computer, except for requests to programs or services selected on the **Exceptions** tab.

On with no exceptions
When you select the **Don't allow exceptions** check box, Windows Firewall blocks all unsolicited requests to connect to your computer, including requests to programs or services selected on the **Exceptions** tab. Use this setting when you need maximum protection for your computer, such as when you connect to a public network in a hotel or airport, or when a dangerous virus or worm is spreading over the Internet.

Tip：There is no need to keep “**Don't allow exceptions”** selected all the time, because when it is, some of your programs might not work correctly, and the following services are blocked from accepting unsolicited requests：

- File and Printer Sharing
- Remote Assistance and Remote Desktop
- Discovery of network devices
- Preconfigured programs and services on the exceptions list
- Additional items that you've added to the exceptions list

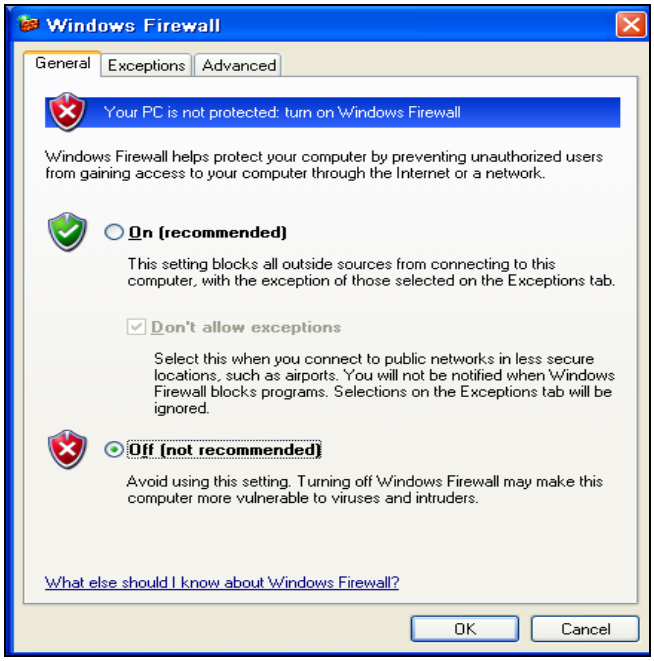
Note：When you select “Don't allow exceptions”, you can still send and receive e-mail, use an instant messaging program, or view most Web pages.

Off
This setting turns Windows Firewall off. When you choose this setting, your computer is much more vulnerable to harm from unknown intruders or viruses from the Internet. This setting should only be used by advanced users for computer administration purposes, or if your computer is protected by another firewall.

To adjust your firewall settings

- Click Control Panel
- In the Control Panel, click Security Center

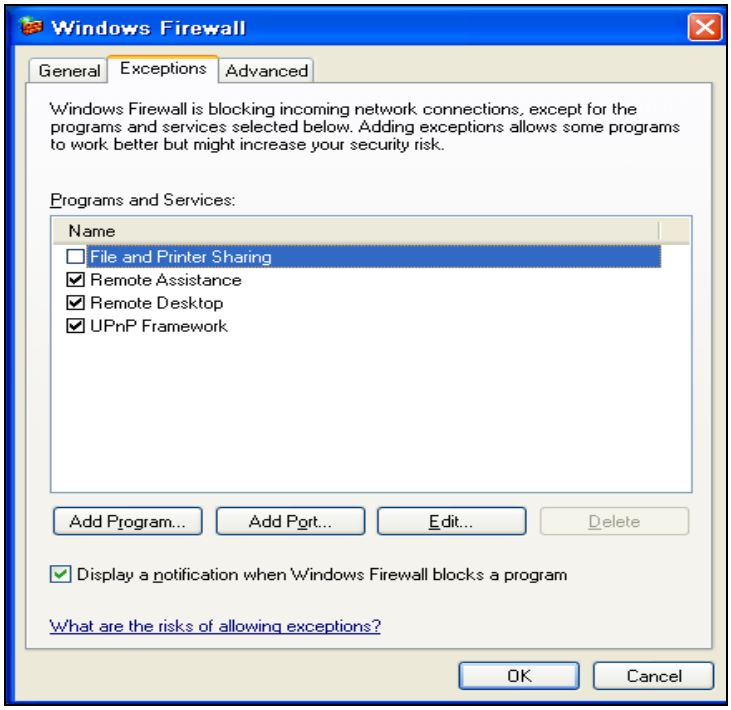
- In the Security Center, click Windows Firewall
- In the General Tab, make your selection


Windows Firewall
General
Exceptions
Advanced
Your PC is not protected: turn on Windows Firewall
Windows Firewall helps protect your computer by preventing unauthorized users from gaining access to your computer through the Internet or a network.
On (recommended)
This setting blocks all outside sources from connecting to this computer, with the exception of those selected on the Exceptions tab.
Don't allow exceptions
Select this when you connect to public networks in less secure locations, such as airports. You will not be notified when Windows Firewall blocks programs. Selections on the Exceptions tab will be ignored.
Off (not recommended)
Avoid using this setting. Turning off Windows Firewall may make this computer more vulnerable to viruses and intruders.
What else should I know about Windows Firewall?
OK
Cancel

- **Using the Exceptions Tab**

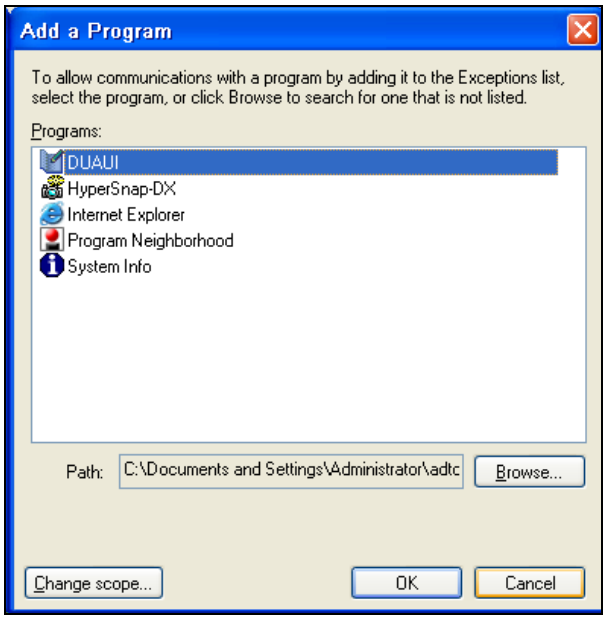
Sometimes you might want someone to be able to connect to your computer, despite security risks—such as when you expect to receive a file sent through an instant messaging program, or when you play a multiplayer game over the Internet. For example, if you're exchanging instant messages with someone who wants to send you a file (a photo, for example), Windows Firewall will ask you if you want to unblock the connection and allow the photo to reach your computer. Or, if you want to play a multiplayer network game with friends over the Internet, you can add the game as an exception so that the firewall will allow the game information to reach your computer.

To add a program to the exceptions list
On the **Exceptions** tab, under **Programs and Services**, select the check box for the program or service that you want to allow, and then click **OK**.



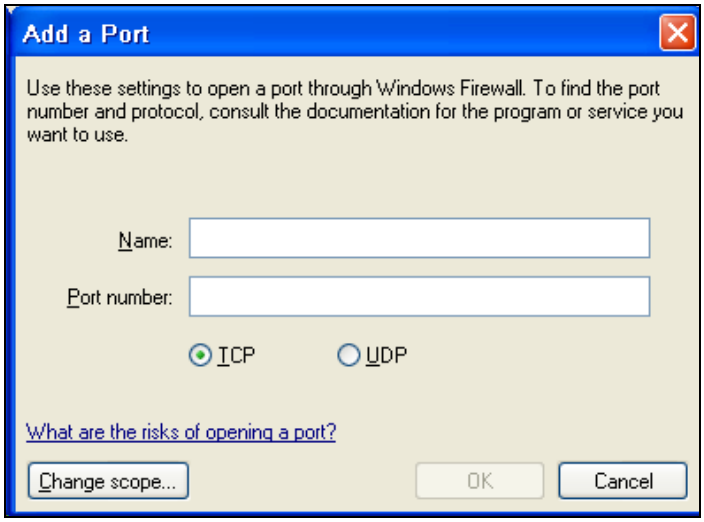
If the program (or service) that you want to allow is not listed

- Click Add Program.
- In the **Add a Program** dialog box, click the program that you want to add, and then click **OK**. The program will appear, selected, on the **Exceptions** tab, under **Programs and Services**.
- Click OK



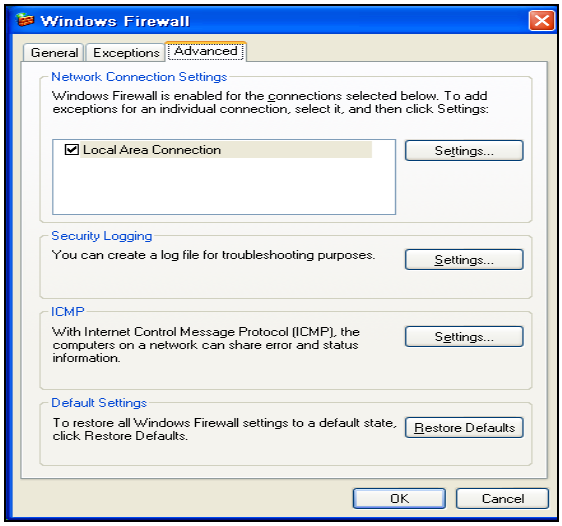
- **As a Last Resort, Open a Port**

If you still do not find the program, you can open a port instead. A port is like a small door in the firewall that allows communications to pass through. To specify which port to open, on the **Exceptions** tab, click **Add Port**. (When you open a port, remember to close it again when you are done using it.)


Add a Port
Use these settings to open a port through Windows Firewall. To find the port number and protocol, consult the documentation for the program or service you want to use.
Name:
Port number:
TCP
UDP
What are the risks of opening a port?
Change scope...
OK
Cancel

- **Advanced Options**

Advanced users can open ports for, and configure the scope of, individual connections to minimize opportunities for intruders to connect to a computer or network. To do this, open Windows Firewall, click the **Advanced** tab, and use the settings under **Network Connection Settings**.

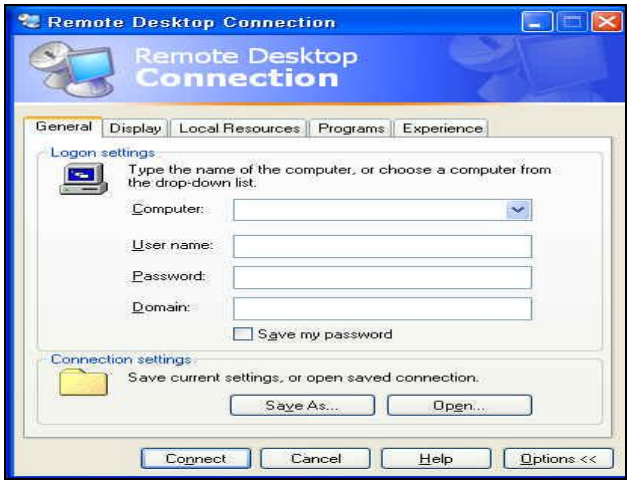

Windows Firewall
General
Exceptions
Advanced
Network Connection Settings
Windows Firewall is enabled for the connections selected below. To add exceptions for an individual connection, select it, and then click Settings:
Local Area Connection
Settings...
Security Logging
You can create a log file for troubleshooting purposes.
Settings...
ICMP
With Internet Control Message Protocol (ICMP), the computers on a network can share error and status information.
Settings...
Default Settings
To restore all Windows Firewall settings to a default state, click Restore Defaults.
Restore Defaults
OK
Cancel

4. Connections Management

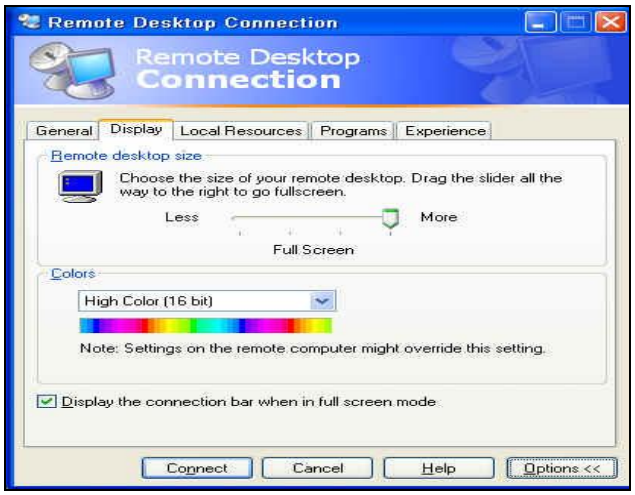
4.1 RDP Connection

Click the shortcut “Remote Desktop” on the desktop and you will see the screen below.

General：You can type the Computer name, User name, Password, and Domain on this page.



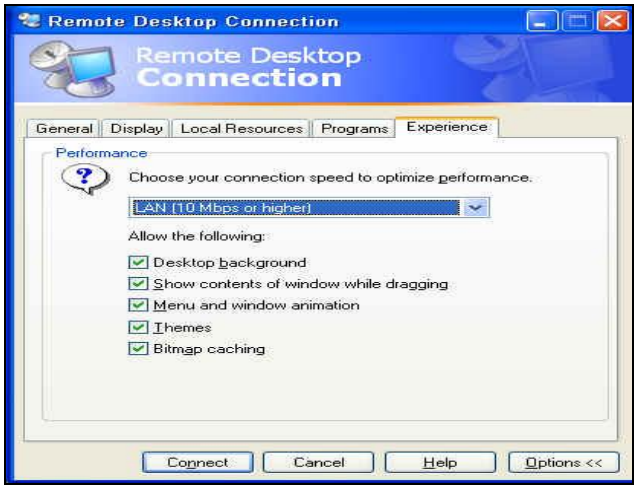
Display : You can choose the size of your remote desktop and set the color quality. If you click **Display the connection bar when in full screen mode**, the connection bar will be shown on the Windows desktop in full screen mode.



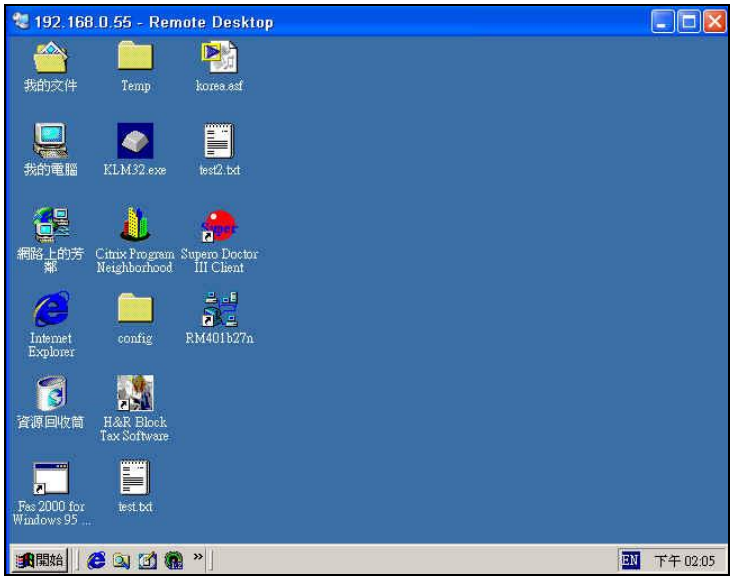
Local Resources : You can set the sound, keyboard status, and local devices.

Programs : If you want to start a program while connecting, you can click **Start the following program on connection.** You can also specify path and file name when you specify a program.

Experience：You can choose your connection speed to optimize performance



Type the correct User name and Password to logon.
You will see the screen below if the connection is successful.

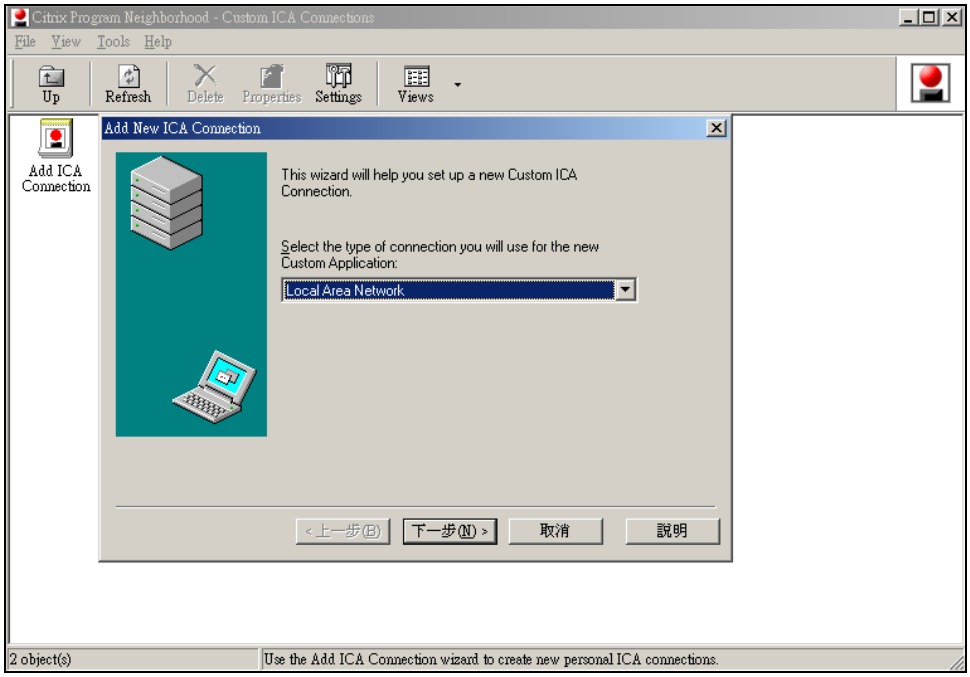


4.2 ICA Connection

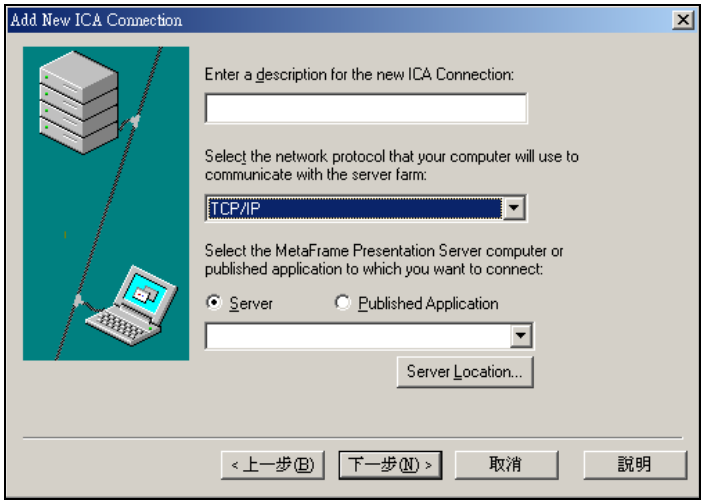
4.2.1 Add a new ICA connection

Click the shortcut “Citrix Program Neighborhood“ on the desktop.

- Click “Add ICA Connection”


Citrix Program Neighborhood - Custom ICA Connections
File View Tools Help
Up
Refresh
Delete
Properties
Settings
Views
Add ICA Connection
Add New ICA Connection
This wizard will help you set up a new Custom ICA Connection.
Select the type of connection you will use for the new Custom Application:
Local Area Network
< 上一步(B)
下一步(N) >
取消
說明
2 object(s)
Use the Add ICA Connection wizard to create new personal ICA connections.

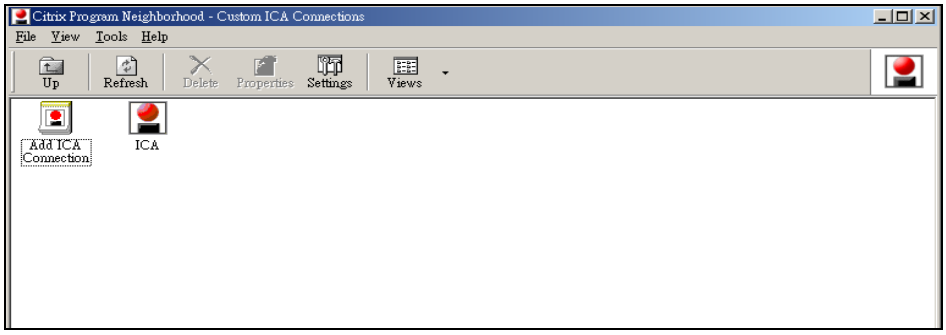
- Enter a description for the new ICA Connection.
- Select the network protocol.
- Select the Citrix MetaFrame server or published application that you want to connect to.


Add New ICA Connection
Enter a description for the new ICA Connection:
Select the network protocol that your computer will use to communicate with the server farm:
TCP/IP
Select the MetaFrame Presentation Server computer or published application to which you want to connect:
Server
Published Application
Server Location...
< 上一步(B)
下一步(N) >
取消
說明

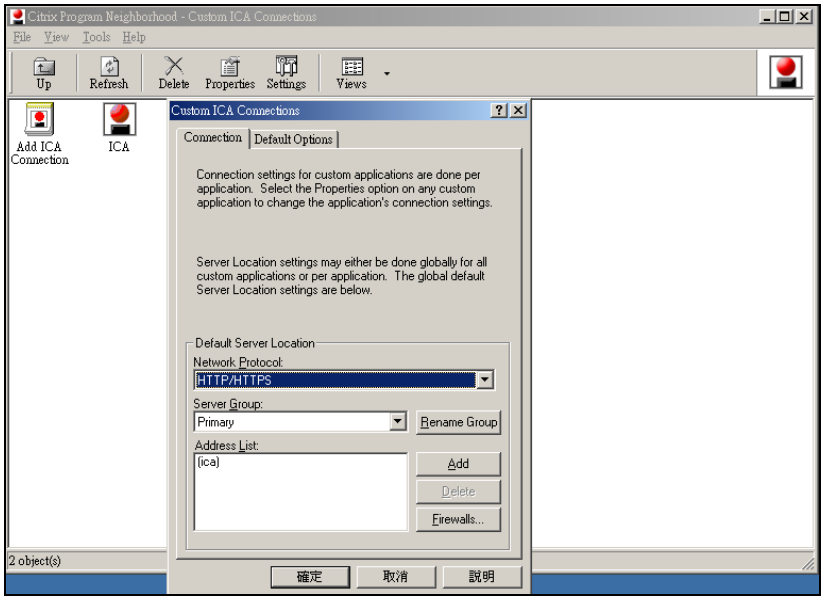
Note

- *Citrix server connections* allow you to remotely control a session on a Citrix server from your thin client. Citrix server connections let you access the desktop of a specific Citrix server; you can run any applications available on the desktop, in any order.
- *Published applications* are specific applications set up by an administrator for remote users to run. When connected, you are presented with the application itself.

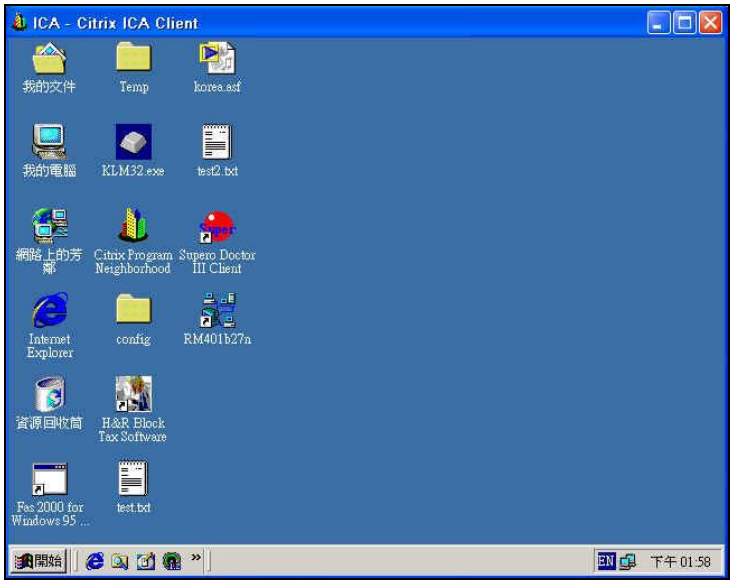
You will see the screen below if the connection is successful.



Click the **Settings** option to enable sound and adjust resolution.



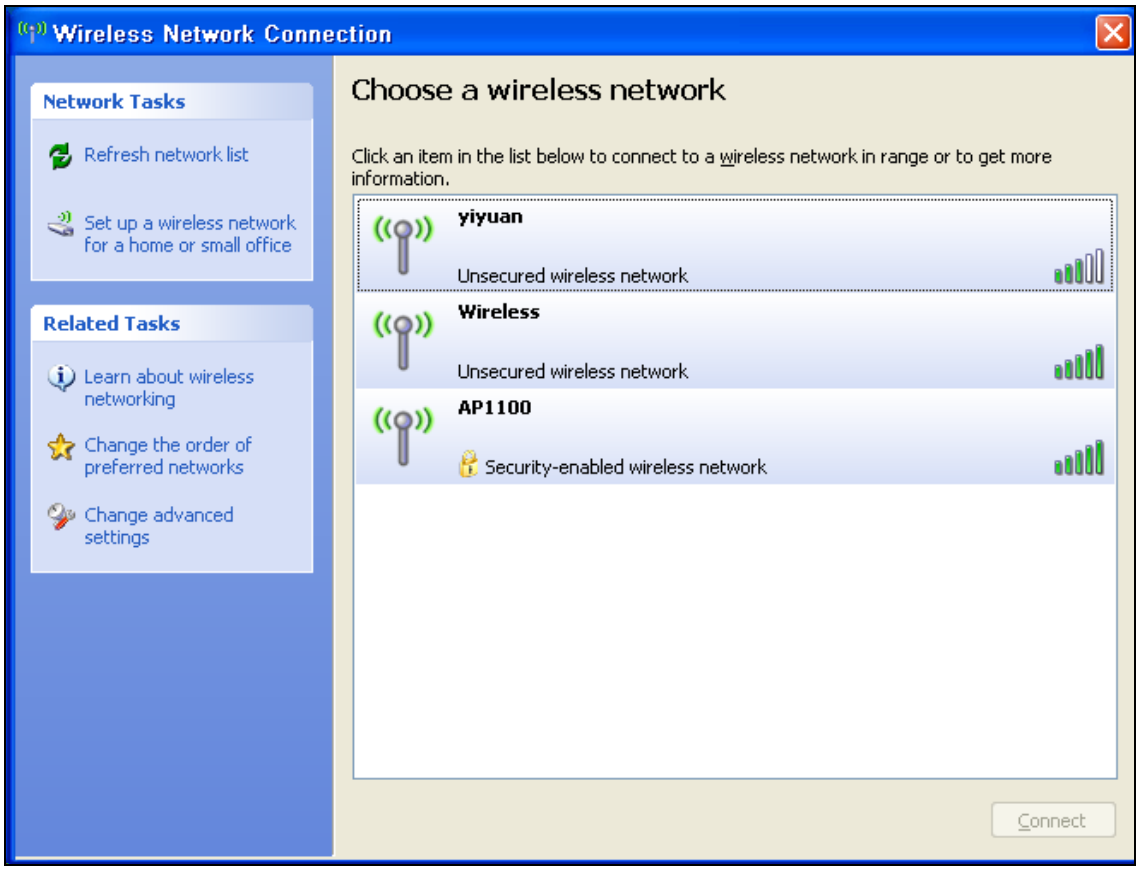
Type the correct User name and Password to logon.
You will see the screen below if the connection is successful.



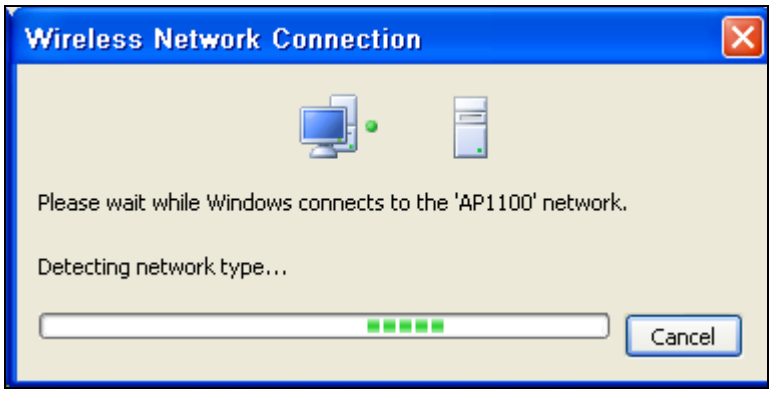
4.3 Wireless LAN Settings

1. Plug in wireless card and double click the figure as below.

You should see the screen.

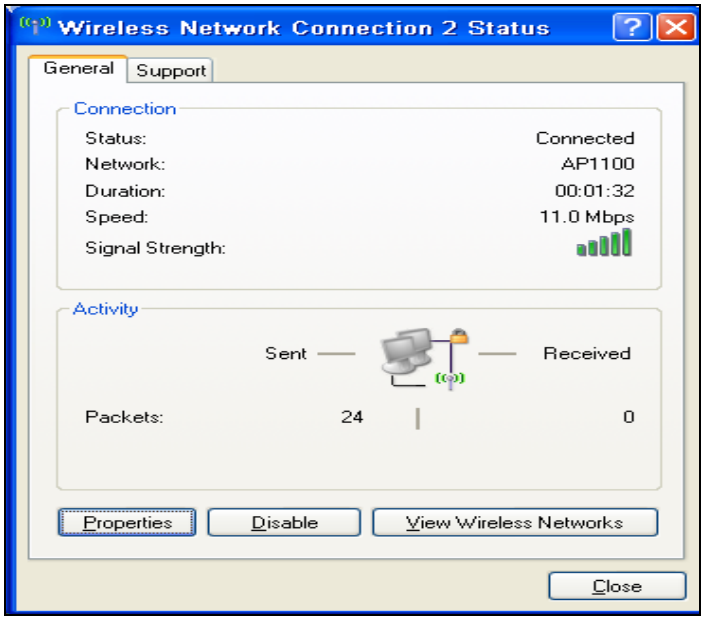

Wireless Network Connection
Network Tasks
Refresh network list
Set up a wireless network for a home or small office
Related Tasks
Learn about wireless networking
Change the order of preferred networks
Change advanced settings
Choose a wireless network
Click an item in the list below to connect to a wireless network in range or to get more information.
yiyuan
Unsecured wireless network
Wireless
Unsecured wireless network
AP1100
Security-enabled wireless network
Connect

2. Select the available wireless networks and double click it.
For example, we select the “AP1100”. You will see the following figure:

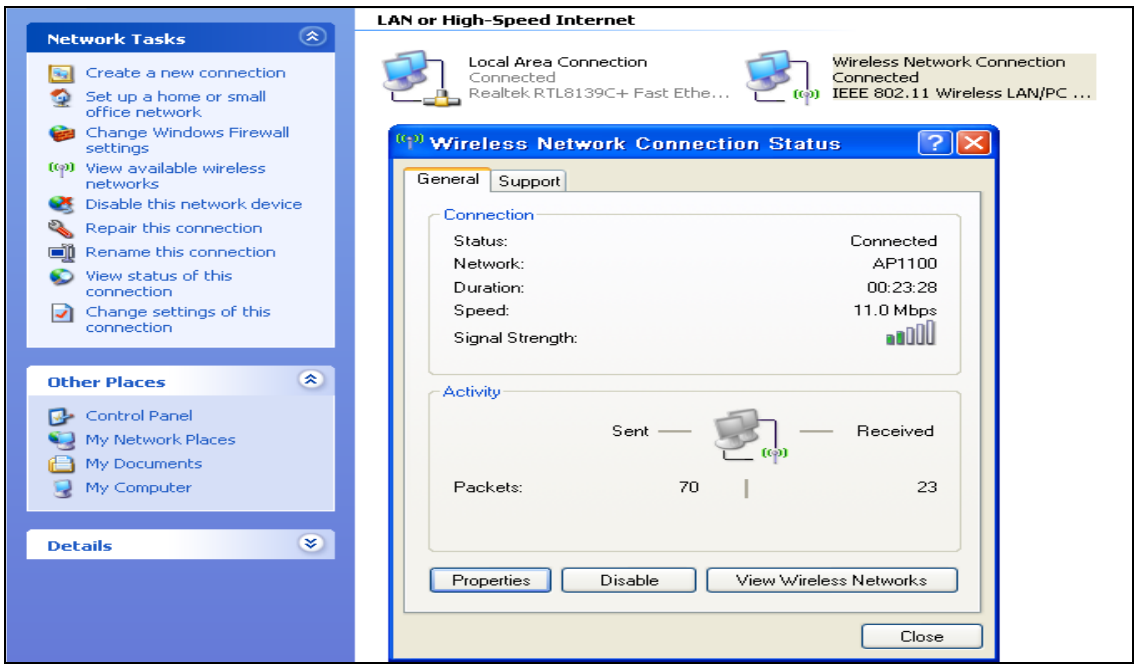


3. When you connect successfully, you will see the figure below:

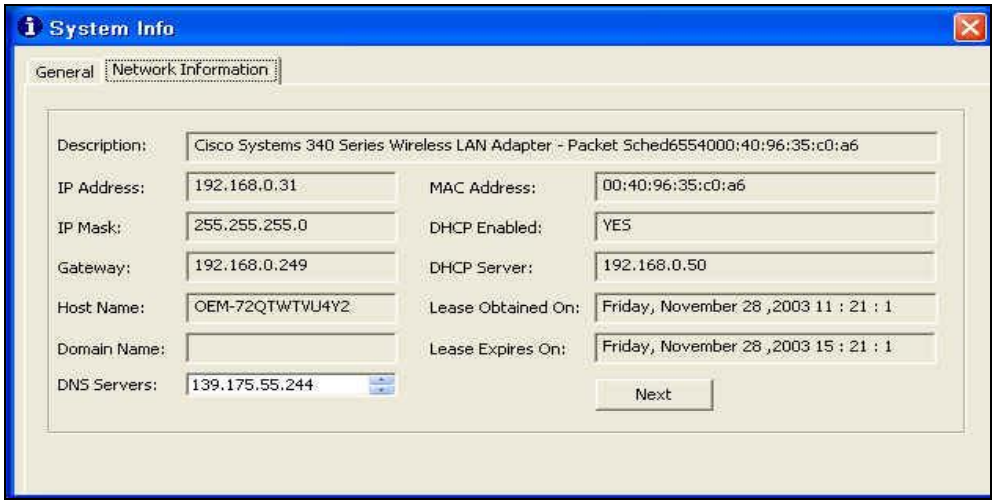
4. When you connect successfully, you can also configure the wireless settings by clicking the network icon on the system tray.



5. Setting is finished after click OK. Go to Start→Control Panel→ Network and Internet Connections→Network Connections, beside **Local Area Connection** you will find the other icon called **Wireless Network Connection**. You can view the **Wireless Network Connection Status** by clicking this icon.

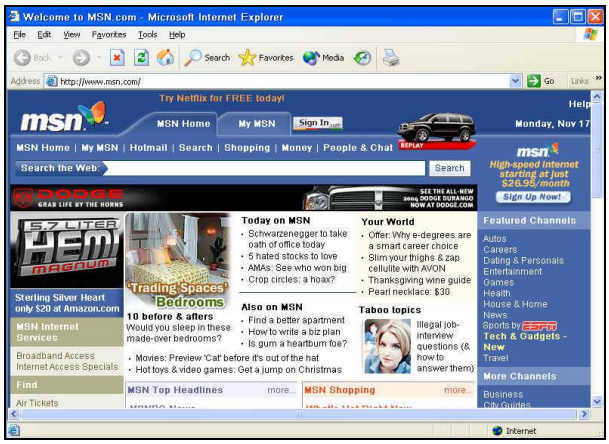


6. When you go to Start→All Programs→Common Tools→System Info and click **Network Information**, you will find the wireless network connection information.



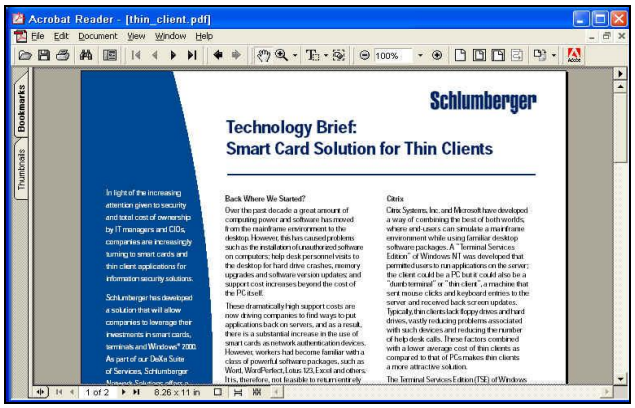
4.4 Microsoft Internet Explorer Connection

- Click Start
- Click Internet Explorer and you can connect to internet. If your network settings have been correctly set up then this is going to work. For example, we connect to http://www.msn.com/ . You will see the screen below.



4.5 Adobe Acrobat (Optional)

Adobe Acrobat lets you convert any document to an Adobe Portable Document Format (PDF) file. Anyone with Acrobat Reader software can open your document across a broad range of hardware and software, and it will look exactly as you intended—with layout, fonts, links, and images intact.
For example, we connect to a website to execute the file “thin_client.pdf ”.



4.6 Microsoft Windows Media Player

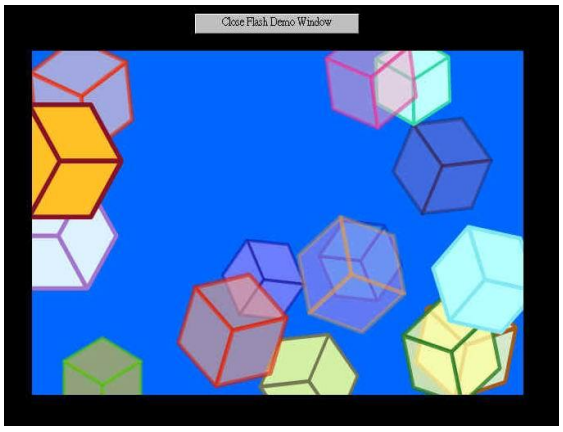
Windows XP Embedded supports Media Player function. It can play multimedia files such as .asf, .wmv, and .mpg etc. For example, we connect to a website to execute the file “korea.asf ”.

4.7 MSJVM or Sun Java (Option) and Flash Player

Windows XP Embedded supports Java and Flash player. For example, we connect to a website to test these functions. After few minutes, you should see the screen below.

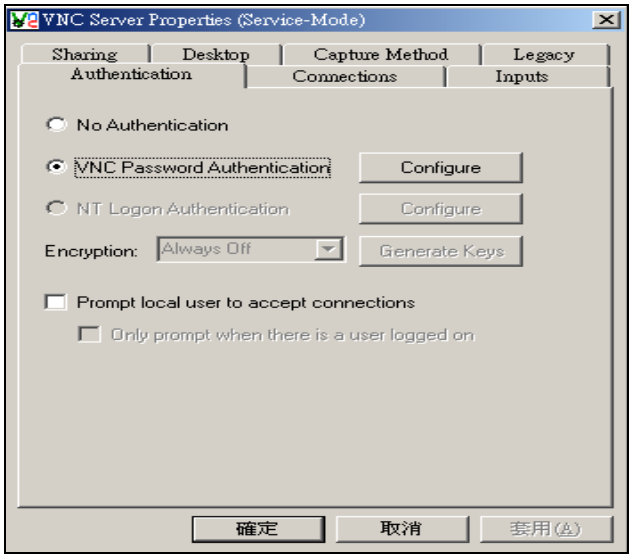
Java

Flash



4.8 Real VNC Server

You can right click the VNC icon on system tray and select options to configure it.
(Administrator Only)
Default password of VNC Server is “**password**”.
(See http://www.realvnc.com for more information on VNC)



5. Advanced Functions

5.1 Enhance Write Filter (EWF)

Enhanced Write Filter is an embedded enabling feature that provides disk write-protection capabilities. When you enable EWF, the system will be protected. You can delete or add flies, even add a new hardware. When EWF is enabled anything saved to disk (files, drivers, new hardware) will be unavailable after restarting the thin client. Any changes to the disk when EWF is enabled are not saved unless EWF is disabled and changes are “committed”.
The EWF function is used by user: **Administrator** only.
When you logon, you will see the picture that likes pencil. Default color is red. You can left click it by mouse. It will show the screen below.

Enhance Write Filter

When you enable EWF, the system will ask you input the password.
You must enter the correct password to use EWF.

Note：The default password for EWF is “ewf9999”.

Commit EWF：

Commits all current level data in the overlay to the protected volume, and resets the current overlay

level to 1. The **Commit** command can be combined with the **Disable** command to commit and then disable. The overlay is written to the protected volume on the next system boot. Committing the overlay can impact the speed of the boot process.

Change EWF Password
If you want to change EWF password, you have to logon with the administrator account.
You will see an option for changing EWF password.

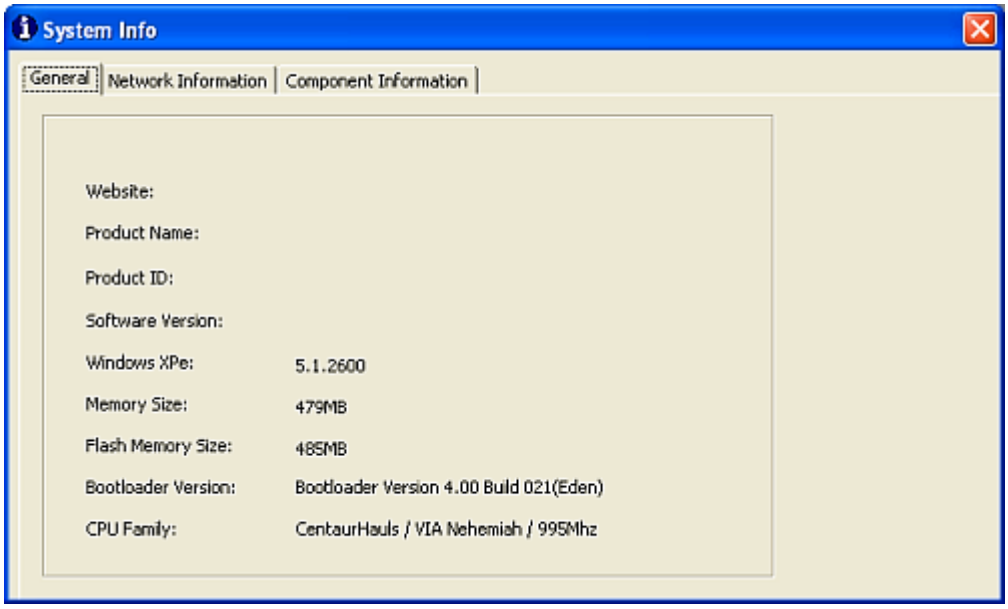
When you click “Change EWF password”, you will see the picture below.

Enable Hibernate-Once-Resume-Many Mode (HORM)
EWF provides improved management of Hibernate Once Resume Many (HORM) through automated HORM configuration and enabling.

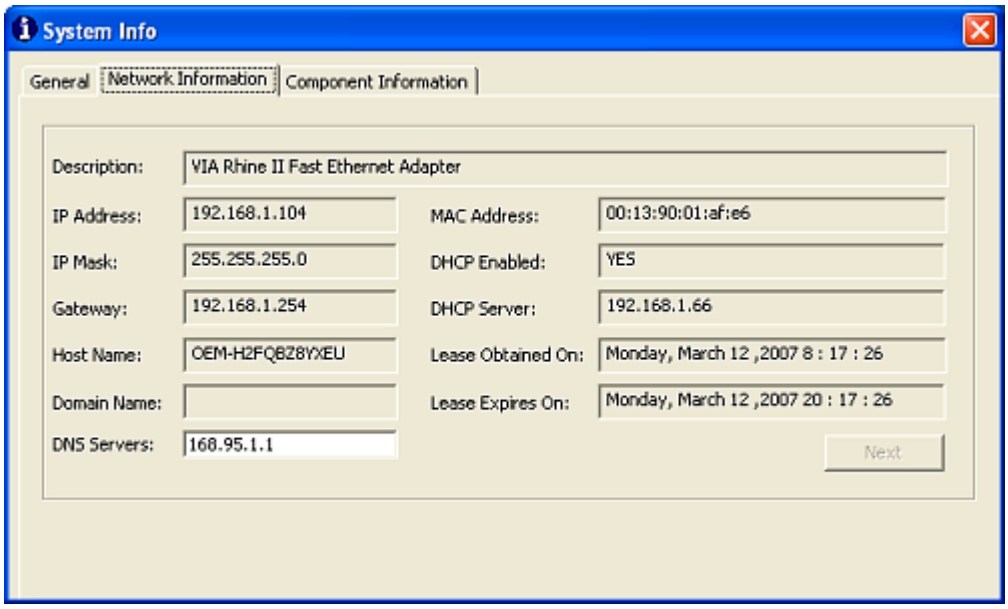
5.2 System Info

5.2.1 General

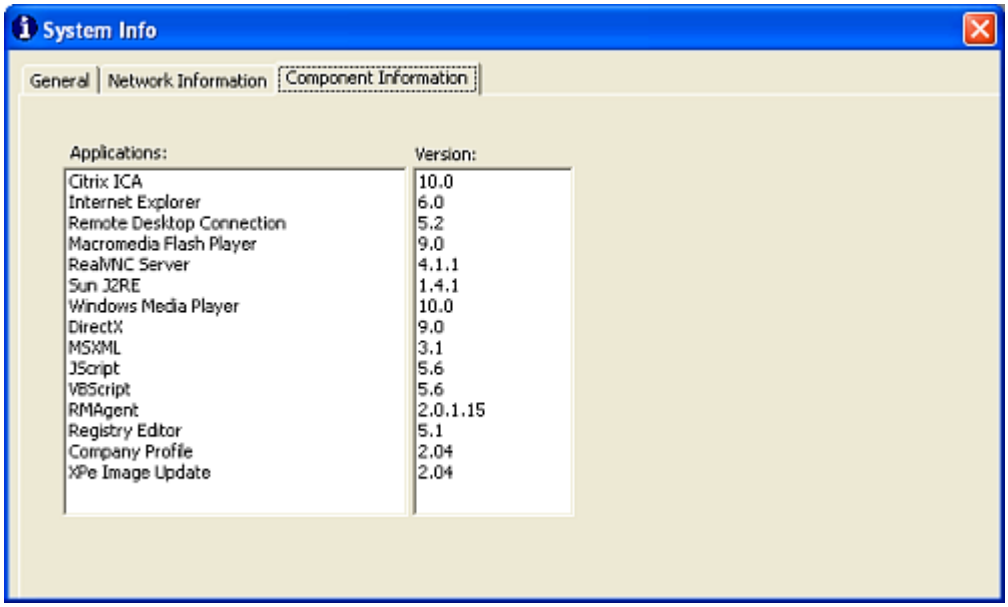
This Component describes product information, such as Copyrights, Product Name, Product ID, Software Version etc. It also describes network information, such as IP Address, MAC Address, Gateway, etc. You can see that by clicking Start→All Programs→Common Tools→System Info. See below:



5.2.2 Network Information



5.2.3 Component Information



5.3 Device Update Agent (DUA)

You can update new component via device update agent. You can go to Start→All Programs→Common Tools→DUAUI and you will see the screen below.

- **Poll Interval**

Poll interval is required for polling and specifies the polling frequency during the indicated day of the week and hour of the day. For example, if you have configured Duagent.exe to start polling on Sunday at 11 P.M., the polling occurs during the 11 P.M. to 12 P.M. hour at a frequency specified by the polling interval.

- **Host Name**

Host name for HTTP server.

- **Host Prot**

Port number for HTTP server.

- **Run On Start**

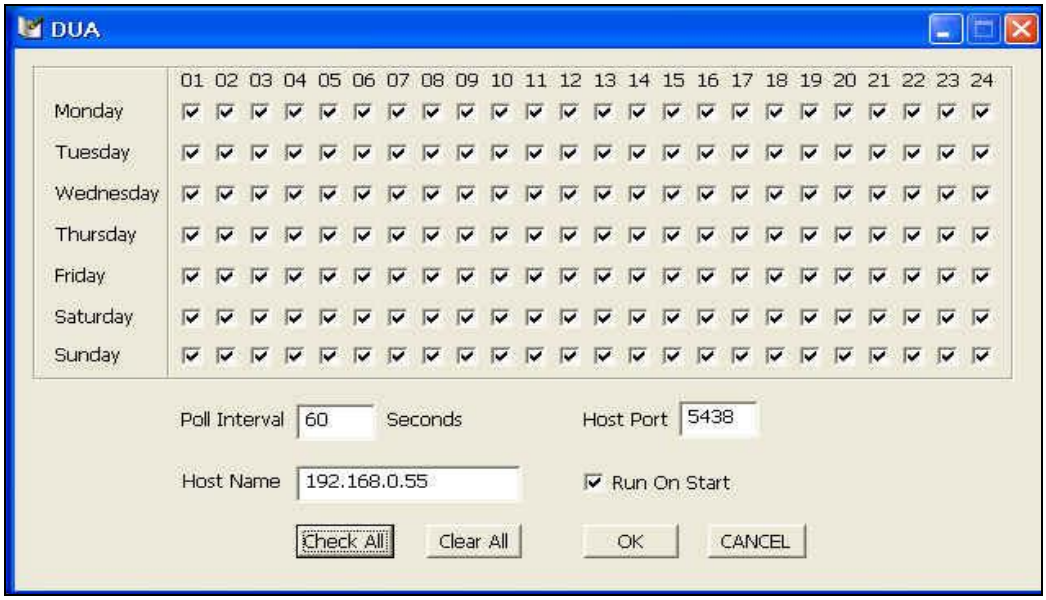
Not Clicked : Do not run immediately when started.
Click : Run once immediately when started.

- **Monday ~ Sunday**

Days of the week.

- **01~24**

Hour of the day (Military Format)



Note：The DUA function is used by “Administrator account” (password: 9999).

5.4 Image Update for XP Embedded

This function lets you update or backup your XPe image.
(Please logon with administrator first.)
Click which protocol you want to use.

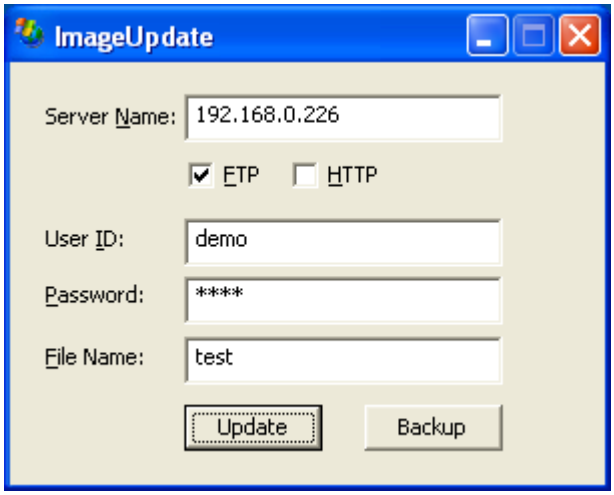
Server Name：Please input the IP address of your server.

User ID：Please input user name of your server.

Password：Please input the password of user name.

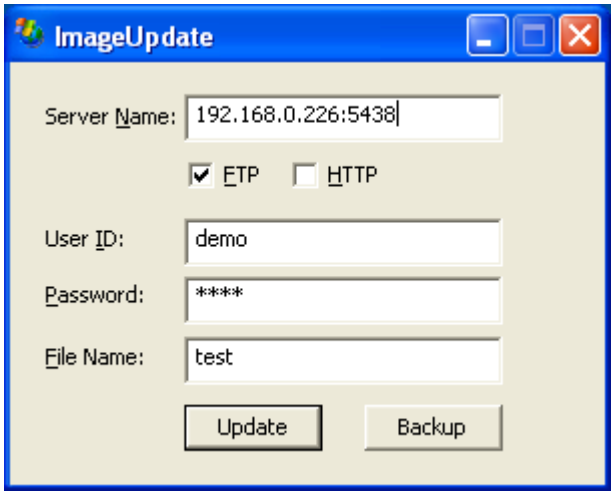
File Name：Please input file name that you want to update or backup.

Click **Update or Backup** button, the system will reboot and start to update or backup **automatically**. So please make sure the server information and file name are correct.



- When you decide to update or backup XPe image **from ftp site**, the system will reboot automatically and start to update or backup.

Note：The default port for http is **80**. The default port for ftp is **21**.



Note：

1. When you check one of these options, the system will start to initialize after upgrading image. Please wait until it is completed.
2. The system will change the computer name and SID after upgrading image. It will take one minute and the system will reboot automatically.